

**Flood Control Project Maintenance
Levee Inspections**

Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

NA0011	Overall LMA Rating	Total LMA Miles						
Madera County FCWCA	U	26.32						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	5.12	46.49	191.08	725.93%				
Trim / Thin Trees	0.24	0.03	0.36	1.37%				
Encroachments	0.35	0.04	0.51	1.94%	1.06	0.12		
Animal Control	22.62	8.87	58.10	220.73%				
Slope Stability	0.96	0.85	4.36	16.56%				
Erosion / Bank Caving								0.01
Crown Surface / Depressions / Rutting	1.52		1.52	5.78%				
<i>Rivers, Channels & Designated Floodways</i>								
Encroachments	0.01		0.01	0.04%				
<i>Supplemental</i>								
DWR Erosion Survey		0.08	0.32	1.22%				
DWR UCIP Field Study					0.19	0.04		
<i>LMA Totals:</i>	30.82	56.36	256.26	973.56%	1.25	0.16	0.00	0.01

Unit No. 01 Ash Slough RB	Overall Unit Rating	Total Unit Miles						
NA0011	U	2.37						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	2.01	1.36	7.45	314.98%				
Trim / Thin Trees	0.01		0.01	0.42%				
Encroachments	0.19		0.19	8.03%	0.02	0.03		
Animal Control	2.25		2.25	95.13%				
Slope Stability	0.89	0.01	0.93	39.32%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.03	0.02		
<i>Unit Totals:</i>	5.35	1.37	10.83	457.88%	0.05	0.05	0.00	0.00

Unit No. 02 Ash Slough LB	Overall Unit Rating	Total Unit Miles						
NA0011	U	2.04						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	1.05	2.77	12.13	595.93%				
Trim / Thin Trees	0.15	0.01	0.19	9.33%				
Encroachments	0.10		0.10	4.91%	0.22	0.02		
Animal Control		1.67	6.68	328.18%				
<i>Supplemental</i>								
DWR Erosion Survey		0.08	0.32	15.72%				
DWR UCIP Field Study					0.06			
<i>Unit Totals:</i>	1.30	4.53	19.42	954.07%	0.28	0.02	0.00	0.00

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San Joaquin River Basin (cont.)

Unit No. 03 Berenda Slough RB		Overall Unit Rating	Total Unit Miles						
NA0011		U	1.51						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation		2.97	11.88	785.14%					
Trim / Thin Trees	0.06	0.02	0.14	9.25%					
Encroachments	0.03		0.03	1.98%					
Animal Control	1.60	1.11	6.04	399.18%					
Slope Stability		0.01	0.04	2.64%					
Crown Surface / Depressions / Rutting	0.81		0.81	53.53%					
Supplemental									
DWR UCIP Field Study					0.02				
Unit Totals:	2.50	4.11	18.94	1251.73%	0.02	0.00	0.00	0.00	

Unit No. 04 Berenda Slough LB		Overall Unit Rating	Total Unit Miles						
NA0011		U	2.28						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation		4.56	18.24	800.09%					
Trim / Thin Trees	0.02		0.02	0.88%					
Encroachments	0.02	0.02	0.10	4.39%	0.77				
Animal Control	0.04	1.83	7.36	322.84%					
Slope Stability		0.83	3.32	145.63%					
Supplemental									
DWR UCIP Field Study						0.01			
Unit Totals:	0.08	7.24	29.04	1273.82%	0.77	0.01	0.00	0.00	

Unit No. 05 Fresno River RB		Overall Unit Rating	Total Unit Miles						
NA0011		U	9.10						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	0.51	15.60	62.91	691.29%					
Encroachments	0.01		0.01	0.11%		0.05			
Animal Control	9.07	4.25	26.07	286.47%					
Crown Surface / Depressions / Rutting	0.71		0.71	7.80%					
Rivers, Channels & Designated Floodways									
Encroachments	0.01		0.01	0.11%					
Supplemental									
DWR UCIP Field Study					0.03				
Unit Totals:	10.31	19.85	89.71	985.79%	0.03	0.05	0.00	0.00	

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Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

Unit No. 06 Fresno River LB		Overall Unit Rating	Total Unit Miles						
NA0011		U	9.03						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	1.55	19.23	78.47	869.18%					
Encroachments		0.02	0.08	0.89%	0.05	0.02			
Animal Control	9.66	0.01	9.70	107.44%					
Slope Stability	0.07		0.07	0.78%					
Erosion / Bank Caving								0.01	
Supplemental									
DWR UCIP Field Study					0.05	0.01			
Unit Totals:	11.28	19.26	88.32	978.29%	0.10	0.03	0.00	0.01	

**Flood Control Project Maintenance
Levee Inspections**

LMA District Cover Sheet

Fall 2016 Levee Inspection Results

Madera County FCWCA

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Madera County FCWCA

Waterway			Bank	Unit Miles
Unit No. 01 Ash Slough			Right	2.37
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/14/2016 - 4/14/2016		10/6/2016 - 10/6/2016	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By	Dario Dominguez Madera Co. Public Works Dept.			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Ash Slough	Right	2.37	10/06/2016 10/06/2016	Herman Phillips

LM Start		Rating **	A	Issue No.	41
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_NA0011_01_s_2012_41				
Comment Code					
Inspector Comment					
Madera County has a copy of the O&M Manual on hand.					

No Photos

LM Start		Rating **	A	Issue No.	43
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_NA0011_01_s_2012_43				
Comment Code					
Inspector Comment					
Madera County has emergency supplies.					

No Photos

LM Start		Rating **	A	Issue No.	44
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_NA0011_01_s_2012_44				
Comment Code					
Inspector Comment					
Madera County Flood Control has an ongoing training program.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Ash Slough	Right	2.37	10/06/2016 10/06/2016	Herman Phillips

LM Start	0.03	Rating **	U	Issue No.	18
LM End	0.06	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.046566 °	37.046715 °
				-120.427512 °	-120.426964 °
DWR ID	DWR_NA0011_01_s_2014_18				
Comment Code					
DT : Ditch					
Inspector Comment					
There seem to be lots of activity going on at this location. This ditch will cause more damage to the levee slope and toe.					

Photo 1 of 1 : FA_2016_NA0011_142_18_20161010_00023.jpg



Ash Slough looking upstream from the landside slope levee mile 0.03.

LM Start	0.03	Rating **	M	Issue No.	13
LM End	0.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.046572 °	37.047760 °
				-120.427470 °	-120.423238 °
DWR ID	DWR_NA0011_01_f_2016_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the wild annual grasses and weeds on the waterside slope, looking upstream from levee miles 0.03- 0.28.					

Photo 1 of 1 : FA_2016_NA0011_142_13_20161011_00027.jpg



Unit 1 looking upstream from levee miles 0.03-0.28.wateside slope.

LM Start	0.03	Rating **	A	Issue No.	5
LM End	0.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.046572 °	37.051077 °
				-120.427470 °	-120.419003 °
DWR ID	DWR_NA0011_01_f_2016_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Ash Slough	Right	2.37	10/06/2016 10/06/2016	Herman Phillips

LM Start	0.04	Rating **	U	Issue No.	49
LM End	0.04	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.046618 °	37.046618 °
				-120.427350 °	-120.427350 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:49976
DS_ID:21513
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 7/14/2016 No inspection completed--need to inspect October 2016. (DWR UCIP - omagana)5/06/2014 Landward slope has been excavated and a berm built in front of landward headwall. Sediment visible inside pipe from landward side. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment and waterward headwall to conduct proper inspection of structure. (DWR UCIP - omagana)
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 9.5 feet below the crown. Headwalls and wingwalls are located on both waterside (WS) and landside (LS) ends. Flap gate is located on the WS end. [Additional Reference(s): DWR Levee Log, 2005]
FS Date: 7/14/2016

LM Start	0.04	Rating **	U	Issue No.	49 (cont)
LM End	0.04	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_49976_69674.jpg



View of WS--dense vegetation along WS slope.

Photo 2 of 2 : UCIP_FA_2016_49976_69673.jpg



Flap gate located on WS blocked by dense vegetation.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Ash Slough	Right	2.37	10/06/2016 10/06/2016	Herman Phillips

LM Start	0.04	Rating **	U	Issue No.	20
LM End	0.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.046624 °	37.046682 °
				-120.427317 °	-120.427108 °
DWR ID	DWR_NA0011_01_s_2014_20				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
This is not a new erosion site, it should be repaired before the condition get any worse.					

Photo 1 of 1 : FA_2016_NA0011_142_20_20160908_00004.jpg



There is damage to the landside slope near the concrete wing wall.

LM Start	0.04	Rating **	M	Issue No.	36
LM End	0.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.046589 °	37.046589 °
				-120.427298 °	-120.427298 °
DWR ID	DWR_NA0011_01_s_2012_36				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree limbs from the waterside slope.					

No Photos

LM Start	0.05	Rating **	A/W	Issue No.	12
LM End	0.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.046677 °	37.046677 °
				-120.427077 °	-120.427077 °
DWR ID	DWR_NA0011_01_s_2016_12				
Comment Code					
PR : Prunings					
Inspector Comment					
The pruning noted in the past has been moved.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

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Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Ash Slough	Right	2.37	10/06/2016 10/06/2016	Herman Phillips

LM Start	0.11	Rating **	M	Issue No.	17
LM End	2.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.046890 °	37.068730 °
				-120.426137 °	-120.398670 °
DWR ID	DWR_NA0011_01_f_2016_17				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There were several rodent holes observed in Unit 1 although no rodents were seen during the inspection.					

No Photos

LM Start	0.28	Rating **	U	Issue No.	23
LM End	1.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.047760 °	37.058330 °
				-120.423238 °	-120.410505 °
DWR ID	DWR_NA0011_01_f_2016_23				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the dead tall weeds from the water side slope working upstream.					

Photo 1 of 1 : FA_2016_NA0011_142_23_20161010_00024.jpg



Unit 1 Waterside looking upstream from levee mile 0.28 to levee mile 1.35.

LM Start	0.28	Rating **	M	Issue No.	6
LM End	0.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.047812 °	37.047963 °
				-120.423155 °	-120.422898 °
DWR ID	DWR_NA0011_01_s_2012_6				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Noted on the last two inspections.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Ash Slough	Right	2.37	10/06/2016 10/06/2016	Herman Phillips

LM Start	0.33	Rating **	M	Issue No.	8
LM End	0.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.048223 °	37.048467 °
				-120.422642 °	-120.422315 °
DWR ID	DWR_NA0011_01_s _ 2012_8				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Noted on the last two inspections.					

No Photos

LM Start	0.44	Rating **	M	Issue No.	11
LM End	0.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.049455 °	37.049455 °
				-120.421218 °	-120.421218 °
DWR ID	DWR_NA0011_01_s _ 2012_11				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the dead tree from the slope.					

No Photos

LM Start	0.45	Rating **	M	Issue No.	39
LM End	0.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.049484 °	37.050574 °
				-120.421017 °	-120.419601 °
DWR ID	DWR_NA0011_01_s _ 2012_39				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the dead trees from the levee section.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Ash Slough	Right	2.37	10/06/2016 10/06/2016	Herman Phillips

LM Start	0.53	Rating **	M	Issue No.	10
LM End	0.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.050335 °	37.050335 °
				-120.419965 °	-120.419965 °
DWR ID	DWR_NA0011_01_s_2012_10				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree limbs from the water side slope.					

No Photos

LM Start	0.58	Rating **	C	Issue No.	19
LM End	0.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.050825 °	37.051057 °
				-120.419305 °	-120.419030 °
DWR ID	DWR_NA0011_01_s_2016_19				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the tree prunings from the levee section.					

No Photos

LM Start	0.59	Rating **	M	Issue No.	21
LM End	2.35	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.050968 °	37.068513 °
				-120.419167 °	-120.398665 °
DWR ID	DWR_NA0011_01_s_2016_21				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Keep the crown free of vegetation.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Ash Slough	Right	2.37	10/06/2016 10/06/2016	Herman Phillips

LM Start	0.61	Rating **	U	Issue No.	24
LM End	0.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.051077 °	37.053122 °
				-120.419003 °	-120.417500 °
DWR ID	DWR_NA0011_01_f_2016_24				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the tall weeds from the landside slope					

Photo 1 of 1 : FA_2016_NA0011_142_24_20161010_00025.jpg



Unit 1 landside levee mile 0.61-0.77 looking upstream of slope.

LM Start	0.62	Rating **	M	Issue No.	37
LM End	0.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.051222 °	37.051222 °
				-120.418810 °	-120.418810 °
DWR ID	DWR_NA0011_01_f_2015_37				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree branches from the waterside slope.					

No Photos

LM Start	0.84	Rating **	M	Issue No.	14
LM End	0.86	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.054034 °	37.054362 °
				-120.417200 °	-120.417075 °
DWR ID	DWR_NA0011_01_s_2013_14				
Comment Code					
EQ : Equipment					
Inspector Comment					
Farm equipment placed within the easement waterside levee toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Ash Slough	Right	2.37	10/06/2016 10/06/2016	Herman Phillips

LM Start	0.86	Rating **	M	Issue No.	26
LM End	0.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.054333 °	37.054460 °
				-120.417057 °	-120.417043 °
DWR ID	DWR_NA0011_01_f_2016_26				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Thin the trees to allow visibility of the levee slope.					

No Photos

LM Start	1.41	Rating **	A	Issue No.	27
LM End	2.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.058817 °	37.065538 °
				-120.409630 °	-120.400862 °
DWR ID	DWR_NA0011_01_f_2016_27				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.45	Rating **	M	Issue No.	7
LM End	2.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.059113 °	37.068344 °
				-120.408880 °	-120.398780 °
DWR ID	DWR_NA0011_01_s_2013_7				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Farmer has plowed into the toe of the levee.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Ash Slough	Right	2.37	10/06/2016 10/06/2016	Herman Phillips

LM Start	1.71	Rating **	U	Issue No.	48
LM End	1.71	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.061496 °	37.061496 °
				-120.405348 °	-120.405348 °
DWR ID					

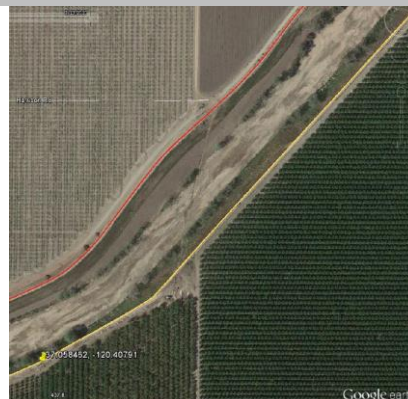
Comment Code

--

Inspector Comment

FS_ID:50057
DS_ID:25456
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 7/14/2016 Open pipe still remains on WS through short levee. Need to contact owner to determine extent of work completed through section of levee. (DWR UCIP - omagana)6/14/2016 Levee disturbed without prior authorization, it appears that the pipe owner did not notify CVFPB of the construction activity. Crossing was added to UCIP database. Spoke to Herman Phillips (DWR Levee Inspector) regarding unauthorized pipe installation along LS toe of U2. The LS toe of U2 (approximately 731 feet) was disturbed. DWR Inspector mentioned that Dario Dominguez with Madera County Flood Control, LMA representative, has sent the pipe owner notification of unauthorized excavation to replace existing pipe along U2 LS toe, dated May 5, 2016. After reviewing the timed aerial photographs (aerials) under Google Earth a new discovery was made regarding the extend of the area disturbed. Based on the aerials it appears that the new pipe system goes through U1 and U2 levees, across Ash Slough, and along LS toe of U2. The pipe through the levees and channel appears to tie into the work currently being done on the LS toe of U2. Both U1 and U2 levees appear to have been disturbed during 2014-2015. The aerials show that the crossing was not present in the aerial dated 4/5/2014, crossing was not present during the 2014 UCIP Inspection dated 5/6/2014, and the crossing was present in the aerial dated 3/18/2015. According to DWR Inspector, Dario Dominguez with Madera County Flood Control was notified of the additional unauthorized encroachment issue (unauthorized work completed in 2014-2015 on both levees and the channel) that could be related to the trench work being completed by Mr. Sterling. (DWR UCIP - omagana) FIELD_STRUCT_DESC: "ILLEGAL ENCROACHMENT" 10-inch to 12-inch irrigation pipe of unknown material through the levee, at an unknown depth below the crown. Pipe goes through both levees and across channel. The pipe starts on landside (LS) toe of Unit 1 (U1) and continues across channel and through Unit 2 (U2), the pipe then runs along the landside toe of U2 for approximately 731 feet. Owner of this crossing has been identified as Mr. Michael Alexander Sterling, 19140 Farallon Road, Madera, CA 93638-0313.
FS Date: 7/14/2016

Photo 1 of 2 : UCIP_FA_2016_50057_75206.jpg



Aerial photo of Encroachment visible through levee and channel in 2015.
(Source: Google Earth, 3/18/2015)

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Ash Slough	Right	2.37	10/06/2016 10/06/2016	Herman Phillips

LM Start	1.71	Rating **	U	Issue No.	48 (cont)
LM End	1.71	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.061496 °	37.061496 °
				-120.405348 °	-120.405348 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50057
DS_ID:25456
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 7/14/2016 Open pipe still remains on WS through short levee. Need to contact owner to determine extent of work completed through section of levee. (DWR UCIP - omagana)6/14/2016 Levee disturbed without prior authorization, it appears that the pipe owner did not notify CVFPB of the construction activity. Crossing was added to UCIP database. Spoke to Herman Phillips (DWR Levee Inspector) regarding unauthorized pipe installation along LS toe of U2. The LS toe of U2 (approximately 731 feet) was disturbed. DWR Inspector mentioned that Dario Dominguez with Madera County Flood Control, LMA representative, has sent the pipe owner notification of unauthorized excavation to replace existing pipe along U2 LS toe, dated May 5, 2016. After reviewing the timed aerial photographs (aerials) under Google Earth a new discovery was made regarding the extend of the area disturbed. Based on the aerials it appears that the new pipe system goes through U1 and U2 levees, across Ash Slough, and along LS toe of U2. The pipe through the levees and channel appears to tie into the work currently being done on the LS toe of U2. Both U1 and U2 levees appear to have been disturbed during 2014-2015. The aerials show that the crossing was not present in the aerial dated 4/5/2014, crossing was not present during the 2014 UCIP Inspection dated 5/6/2014, and the crossing was present in the aerial dated 3/18/2015. According to DWR Inspector, Dario Dominguez with Madera County Flood Control was notified of the additional unauthorized encroachment issue (unauthorized work completed in 2014-2015 on both levees and the channel) that could be related to the trench work being completed by Mr. Sterling. (DWR UCIP - omagana) FIELD_STRUCT_DESC: "ILLEGAL ENCROACHMENT" 10-inch to 12-inch irrigation pipe of unknown material through the levee, at an unknown depth below the crown. Pipe goes through both levees and across channel. The pipe starts on landside (LS) toe of Unit 1 (U1) and continues across channel and through Unit 2 (U2), the pipe then runs along the landside toe of U2 for approximately 731 feet. Owner of this crossing has been identified as Mr. Michael Alexander Sterling, 19140 Faralton Road, Madera, CA 93638-0313.
FS Date: 7/14/2016

Photo 2 of 2 : UCIP_FA_2016_50057_75221.jpg



Assumed alignment of pipe through the levees and along LS toe of U2.
(Source: Google Earth, 3/18/2015)

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Ash Slough	Right	2.37	10/06/2016 10/06/2016	Herman Phillips

LM Start	2.09	Rating **	U	Issue No.	29
LM End	2.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.065538 °	37.066700 °
				-120.400862 °	-120.398900 °
DWR ID	DWR_NA0011_01_f_2016_29				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the tall dead weeds from the levee slope waterside.					

Photo 1 of 1 : FA_2016_NA0011_142_29_20161010_00026.jpg



Unit 1 Ash Slough looking upstream levee mile 2.09-2.22.

LM Start	2.09	Rating **	M	Issue No.	47
LM End	2.09	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.065569 °	37.065569 °
				-120.400752 °	-120.400752 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39846					
DS_ID:21511					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact to owner to get contact information.					
FIELD_STRUCT_DESC: Underground telephone cable crosses through levee.					
FS Date: 5/6/2014					

Photo 1 of 1 : UCIP_FA_2016_39846_71806.jpg



Conduit box located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Ash Slough	Right	2.37	10/06/2016 10/06/2016	Herman Phillips

LM Start	2.10	Rating **	M	Issue No.	46
LM End	2.10	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.065649 °	37.065649 °
				-120.400663 °	-120.400663 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39845 DS_ID:25042 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine if crossing goes through levee. FIELD_STRUCT_DESC: 10-inch or 12-inch pipe through levee crossing visible inside concrete standpipe on waterward side. Potential pump station located on landward side approximately 100 feet from standpipe. FS Date: 5/6/2014					

Photo 1 of 2 : UCIP_FA_2016_39845_71800.jpg



Pump station visible approximately 100 feet from concrete standpipe.

LM Start	2.10	Rating **	M	Issue No.	46 (cont)
LM End	2.10	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_FA_2016_39845_71803.jpg



Standpipe visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Ash Slough	Right	2.37	10/06/2016 10/06/2016	Herman Phillips

LM Start	2.37	Rating **	M	Issue No.	45
LM End	2.37	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.068763 °	37.068763 °
				-120.398523 °	-120.398523 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38226					
DS_ID:21512					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Unable to determine details of crossing and whether crossing has been abandoned. Need to find owner and determine the alignment of crossing to confirm if pipe is being extended from opposite levee.					
FIELD_STRUCT_DESC: Abandoned service pole, pump and two 36-inch standpipes on landward side. Pump not found in 2014 inspection. Three stand pipes found on landward side.					
FS Date: 5/6/2014					

Photo 1 of 2 : UCIP_FA_2016_38226_69679.jpg



View of waterward side.

LM Start	2.37	Rating **	M	Issue No.	45 (cont)
LM End	2.37	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_FA_2016_38226_69678.jpg



View of waterward slope--no signs of crossing visible.

*** Location**

LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Madera County FCWCA

Waterway			Bank	Unit Miles
Unit No. 02 Ash Slough			Left	2.04
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/14/2016 - 4/14/2016		10/5/2016 - 10/5/2016	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By	Dario Dominguez Madera Co. Public Works Dept.			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Madera County FCWCA

Madera County FCWCA

Ash Slough looking upstream from levee mile 0.00-1.67 waterside slope.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ash Slough	Left	2.04	10/05/2016 10/05/2016	Herman Phillips

LM Start	0.01	Rating **	M	Issue No.	48
LM End	0.01	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.045532 °	37.045532 °
				-120.427268 °	-120.427268 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39686					
DS_ID:21585					
EP_NO: 8068					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Unable to confirm if crossing found in the field corresponds to the crossing described under Permit 8068. Only 1 crossing found permit indicates 2 irrigation culverst. Need to contact owner to obtain additional details of crossing.					
FIELD_STRUCT_DESC: To retain two irrigation culverts and siphons located at the intersection of Ash Slough and the Chowchilla Canal.					
FS Date: 5/6/2014					

Photo 1 of 2 : UCIP_FA_2016_39686_71662.jpg



View of landward side.

LM Start	0.01	Rating **	M	Issue No.	48 (cont)
LM End	0.01	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_FA_2016_39686_71661.jpg



View of riser located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ash Slough	Left	2.04	10/05/2016 10/05/2016	Herman Phillips

LM Start	0.04	Rating **	M	Issue No.	20
LM End	0.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.045758 °	37.045758 °
				-120.426793 °	-120.426790 °
DWR ID	DWR_NA0011_02_f_2012_20				
Comment Code					
EQ : Equipment					
Inspector Comment					
Remove the equipment from the landside easement.					

No Photos

LM Start	0.16	Rating **	M	Issue No.	8
LM End	0.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.046193 °	37.046555 °
				-120.424622 °	-120.423602 °
DWR ID	DWR_NA0011_02_f_2016_8				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim the trees on the landside levee slope levee miles 0.16- 0.22.					

No Photos

LM Start	0.18	Rating **	M	Issue No.	5
LM End	0.31	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.046315 °	37.463150 °
				-120.424419 °	-120.424419 °
DWR ID	DWR_NA0011_02_f_2012_5				
Comment Code					
FE : Fence					
Inspector Comment					
This fence was not authorized by CVFPB. The District is aware of the fence. The landowner installed the fence and gate across the levee section because he has been broken into frequently and had many items stolen in the past. I met with the landowner 4-29-2014 and he let me put a State lock on his gate to gain access to the levee.					

Photo 1 of 1 : FA_2016_NA0011_143_5_20161004_00003.jpg



Unauthorized gate and metal fence placed on slope and toe of levee section. Photo taken 4-17-2013.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ash Slough	Left	2.04	10/05/2016 10/05/2016	Herman Phillips

LM Start	0.21	Rating **	M	Issue No.	46
LM End	0.21	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.046533 °	37.046533 °
				-120.423762 °	-120.423762 °
DWR ID	DWR_NA0011_02_f_2015_46				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.22	Rating **	U	Issue No.	18
LM End	1.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.046568 °	37.057948 °
				-120.423588 °	-120.409760 °
DWR ID	DWR_NA0011_02_f_2016_18				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the unwanted wild dead weed growth from the waterside levee slope.					

Photo 1 of 1 : FA_2016_NA0011_143_18_20161011_00033.jpg



Unit 2 Ash Slough looking upstream waterside slope and shoulder levee miles 0.22-1.38.

LM Start	0.27	Rating **	M	Issue No.	21
LM End	0.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.046937 °	37.047192 °
				-120.422815 °	-120.422517 °
DWR ID	DWR_NA0011_02_s_2012_21				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ash Slough	Left	2.04	10/05/2016 10/05/2016	Herman Phillips

LM Start	0.31	Rating **	M	Issue No.	47
LM End	0.31	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.047245 °	37.047245 °
				-120.422403 °	-120.422403 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:35764					
DS_ID:21514					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner to determine details of crossing and permit information authorizing crossing. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: Pipe through levee at a skew. Concrete discharge structure at waterward end. Standpipe with gage house landward of the levee. No gage house found on landward side.					
FS Date: 5/6/2014					

Photo 1 of 2 : UCIP_FA_2016_35764_64463.jpg



View of waterward side.

LM Start	0.31	Rating **	M	Issue No.	47 (cont)
LM End	0.31	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_FA_2016_35764_64466.jpg



Locked box (unknown purpose) located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ash Slough	Left	2.04	10/05/2016 10/05/2016	Herman Phillips

LM Start	0.32	Rating **	U	Issue No.	26
LM End	0.49	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.047338 °	37.049035 °
				-120.422062 °	-120.419928 °
DWR ID	DWR_NA0011_02_f_2016_26				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Levee crown roadway should be free of vegetation. Spray to sterilize weed growth.					

Photo 1 of 1 : FA_2016_NA0011_143_26_20161005_00028.jpg



Looking upstream Crown roadway levee mile 0.2-0.49.

LM Start	0.32	Rating **	U	Issue No.	24
LM End	0.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.047338 °	37.054705 °
				-120.422062 °	-120.415738 °
DWR ID	DWR_NA0011_02_f_2016_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the wild weeds on the landside levee slope and shoulder.					

Photo 1 of 1 : FA_2016_NA0011_143_24_20161011_00036.jpg



Unit 2 looking upstream from levee mile 0.32 to levee mile 0.96 landside.

LM Start	0.32	Rating **	M	Issue No.	28
LM End	0.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.047416 °	37.047416 °
				-120.422142 °	-120.422142 °
DWR ID	DWR_NA0011_02_f_2012_28				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the dead tree limbs from the waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ash Slough	Left	2.04	10/05/2016 10/05/2016	Herman Phillips

LM Start	0.45	Rating **	M	Issue No.	11
LM End	0.53	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.048627 °	37.049342 °
				-120.420357 °	-120.419370 °
DWR ID	DWR_NA0011_02_s_2012_11				
Comment Code					
FE : Fence					
Inspector Comment					
Wire fence on the landside levee shoulder along with unwanted tall weed growth..					

Photo 1 of 1 : FA_2016_NA0011_143_11_20161004_00004.jpg



Fence on the landside slope.

LM Start	0.52	Rating **	M	Issue No.	35
LM End	0.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.049289 °	37.049289 °
				-120.419542 °	-120.419542 °
DWR ID	DWR_NA0011_02_s_2013_35				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim tree off the slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ash Slough	Left	2.04	10/05/2016 10/05/2016	Herman Phillips

LM Start	0.94	Rating **	M	Issue No.	49
LM End	0.94	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.054547 °	37.054547 °
				-120.415826 °	-120.415826 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39923 DS_ID:25043 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status. Need permit authorizing work. FIELD_STRUCT_DESC: 5-inch steel conduit along bridge downstream face. Upstream face has 2-inch pipe cut at the corner. FS Date: 5/6/2014					

Photo 1 of 2 : UCIP_FA_2016_39923_71823.jpg



Conduit along face of bridge.

LM Start	0.94	Rating **	M	Issue No.	49 (cont)
LM End	0.94	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_FA_2016_39923_71822.jpg



View of steel conduit through levee and above channel.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ash Slough	Left	2.04	10/05/2016 10/05/2016	Herman Phillips

LM Start	0.97	Rating **	M	Issue No.	44
LM End	1.38	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.054830 °	37.057948 °
				-120.415600 °	-120.409763 °
DWR ID	DWR_NA0011_02_f_2014_44				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Keep crown roadway free of vegetation.					

No Photos

LM Start	0.98	Rating **	U	Issue No.	27
LM End	0.98	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.054928 °	37.054928 °
				-120.415482 °	-120.415482 °
DWR ID	DWR_NA0011_02_f_2016_27				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the dead tree from the waterside slope ans shoulder.					

Photo 1 of 2 : FA_2016_NA0011_143_27_20161011_00037.jpg



Unit 2 Ash Slough Levee mile 0.98 waterside shoulder and slope

LM Start	0.98	Rating **	U	Issue No.	27 (cont)
LM End	0.98	Issue Type +	En	Location *	WS

Photo 2 of 2 : FA_2016_NA0011_143_27_20161011_00038.jpg



Levee slope and shoulder looking upstream waterside levee section.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ash Slough	Left	2.04	10/05/2016 10/05/2016	Herman Phillips

LM Start	1.10	Rating **	U	Issue No.	1
LM End	1.19	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.055596 °	37.055596 °
				-120.412647 °	-120.412647 °
DWR ID					

Comment Code

Inspector Comment

07/22/2016: No significant change observed.
 09/08/2015: No significant change observed.
 07/22/2014: No significant change observed.
 08/30/2013: No significant change observed.
 07/31/2012: Site was visited on 07/24/2012. No significant change observed. Dense vegetation around the site
 08/09/2011: Site was inspected. No visible change was observed from the previous condition. A fallen tree was seen at the levee toe about 20 feet upstream, and tree root exposed. There has been no report from the district that this site was corrected.
 11/30/2010: Site was not inspected due to time constraints. There have been no reports from the district that the site was corrected. Continue to monitor site during flood events.
 08/05/2010: Recommended for annual assessment and monitoring during flood events, per CLRO.
 2009: Site is recommended as a local maintenance issue, per Critical Levee Repair Office, Critical Erosion Sites Evaluation 2008 Report; site was previously rated "M"
 9/6/2007: Undercutting of the toe; several trees along the WS slope with roots exposed. [2016 Site ID:NA0011U02RM2.57]

LM Start	1.10	Rating **	U	Issue No.	1 (cont)
LM End	1.19	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SJR2016_NA0011U02RM2.57_1.jpg



View of the erosion site from the levee crest.

Photo 2 of 3 : SJR2016_NA0011U02RM2.57_2.jpg



Close view of the site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ash Slough	Left	2.04	10/05/2016 10/05/2016	Herman Phillips

LM Start	1.10	Rating **	U	Issue No.	1 (cont)	
LM End	1.19	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.055596 °	37.055596 °	
				-120.412647 °	-120.412647 °	
DWR ID						
Comment Code						
Inspector Comment						
07/22/2016: No significant change observed.						
09/08/2015: No significant change observed.						
07/22/2014: No significant change observed.						
08/30/2013: No significant change observed.						
07/31/2012: Site was visited on 07/24/2012. No significant change observed. Dense vegetation around the site						
08/09/2011: Site was inspected. No visible change was observed from the previous condition. A fallen tree was seen at the levee toe about 20 feet upstream, and tree root exposed. There has been no report from the district that this site was corrected.						
11/30/2010: Site was not inspected due to time constraints. There have been no reports from the district that the site was corrected. Continue to monitor site during flood events.						
08/05/2010: Recommended for annual assessment and monitoring during flood events, per CLRO.						
2009: Site is recommended as a local maintenance issue, per Critical Levee Repair Office, Critical Erosion Sites Evaluation 2008 Report; site was previously rated "M"						
9/6/2007: Undercutting of the toe; several trees along the WS slope with roots exposed. [2016 Site ID:NA0011U02RM2.57]						

Photo 3 of 3 : SJR2016_NA0011U02RM2.57_4.jpg



Close view of the site.

LM Start	1.23	Rating **	U	Issue No.	29	
LM End	1.23	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			37.056137 °		37.056137 °
				-120.411170 °		-120.411170 °
DWR ID	DWR_NA0011_02_f_2016_29					
Comment Code						
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.						
Inspector Comment						
Tree on the wateside slope blocks the view of the ground.						

Photo 1 of 1 : FA_2016_NA0011_143_29_20161011_00035.jpg



Unit 2 Ash Slough wateside levee mile 1.23.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ash Slough	Left	2.04	10/05/2016 10/05/2016	Herman Phillips

LM Start	1.28	Rating **	M	Issue No.	41
LM End	1.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.056763 °	37.057704 °	
			-120.410623 °	-120.410037 °	
DWR ID	DWR_NA0011_02_s_2014_41				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the dead tree limbs from the water side slope.					

No Photos

LM Start	1.38	Rating **	M	Issue No.	16
LM End	2.02	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.057896 °	37.063896 °	
			-120.409687 °	-120.401232 °	
DWR ID	DWR_NA0011_02_s_2012_16				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the vegetation from crown roadway.					

No Photos

LM Start	1.39	Rating **	M	Issue No.	42
LM End	1.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.057989 °	37.057989 °	
			-120.409581 °	-120.409581 °	
DWR ID	DWR_NA0011_02_s_2014_42				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree limbs from the water side levee slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ash Slough	Left	2.04	10/05/2016 10/05/2016	Herman Phillips

LM Start	1.46	Rating **	M	Issue No.	43
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.058335 °	37.058520 °
				-120.408434 °	-120.407791 °
DWR ID	DWR_NA0011_02_s_2014_43				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Remove the dead tree and tree limbs from the levee section.					

Photo 1 of 1 : FA_2016_NA0011_143_43_20161004_00008.jpg



Unit 2 levee mile 1.46-1.49 looking upstream from the levee slope
waterside fallen dead tree on the levee section.

LM Start	1.51	Rating **	M	Issue No.	25
LM End	1.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.058652 °	37.058802 °
				-120.407638 °	-120.407350 °
DWR ID	DWR_NA0011_02_s_2012_25				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim the trees on the waterside slope levee miles 1.51-1.52.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ash Slough	Left	2.04	10/05/2016 10/05/2016	Herman Phillips

LM Start	1.62	Rating **	M	Issue No.	52
LM End	1.62	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.059585 °	37.059585 °
				-120.405867 °	-120.405867 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:49978

DS_ID:25457

EP_NO: N/A

Repair Type: Non-Urgent

Crossing Status: Found

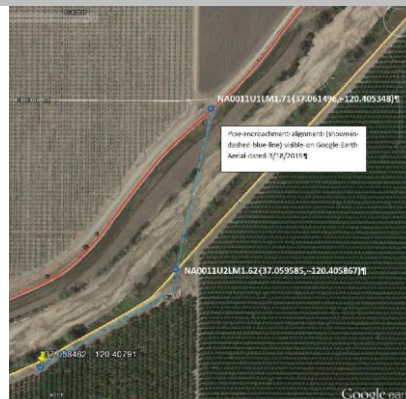
UCIP Comments: 7/14/2016 Repair in progress--According to LMA representative, Dario Dominguez, owner has repaired levee slope and compacted material per CVFPB's requirement (compaction tests have been performed). Need to confirm compaction tests were provided to DWR Inspector-Herman Phillips. (DWR UCIP - omagana)6/14/2016

Levee disturbed without prior authorization, it appears that the pipe owner did not notify CVFPB of the construction activity. Crossing was added to UCIP database. Spoke to Herman Phillips (DWR Levee Inspector) regarding unauthorized pipe installation along LS toe of U2. The LS toe of U2 (approximately 731 feet) was disturbed. DWR Inspector mentioned that Dario Dominguez with Madera County Flood Control, LMA representative, has sent the pipe owner notification of unauthorized excavation to replace existing pipe along U2 LS toe, dated May 5, 2016. After reviewing the timed aerial photographs (aerials) under Google Earth a new discovery was made regarding the extend of the area disturbed. Based on the aerials it appears that the new pipe system goes through U1 and U2 levees, across Ash Slough, and along LS toe of U2. The pipe through the levees and channel appears to tie into the work currently being done on the LS toe of U2. Both U1 and U2 levees appear to have been disturbed during 2014-2015. The aerials show that the crossing was not present in the aerial dated 4/5/2014, crossing was not present during the 2014 UCIP Inspection dated 5/6/2014, and the crossing was present in the aerial dated 3/18/2015. According to DWR Inspector, Dario Dominguez with Madera County Flood Control was notified of the additional unauthorized encroachment issue (unauthorized work completed in 2014-2015 on both levees and the channel) that could be related to the trench work being completed by Mr. Sterling. (DWR UCIP - omagana)

FIELD_STRUCT_DESC: *ILLEGAL ENCROACHMENT* 10-inch to 12-inch irrigation pipe of unknown material through the levee, at an unknown depth below the crown. Pipe goes through both levees and across channel. The pipe starts on landside (LS) toe of Unit 1 (U1) and continues across channel and through Unit 2 (U2), the pipe then runs along the landside toe of U2 for approximately 731 feet. The pipe along LS toe of U2 starts at 37.059237, -120.406025 and ends at 37.058462, -120.40791.

FS Date: 7/14/2016

Photo 1 of 2 : UCIP_FA_2016_49978_75220.jpg



Assumed alignment of pipe through the levees and along LS toe of Unit 2. (Source: Google Earth, 3/18/2015)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ash Slough	Left	2.04	10/05/2016 10/05/2016	Herman Phillips

LM Start	1.62	Rating **	M	Issue No.	52 (cont)
LM End	1.62	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.059585 °	37.059585 °
				-120.405867 °	-120.405867 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:49978

DS_ID:25457

EP_NO: N/A

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: 7/14/2016 Repair in progress--According to LMA representative, Dario Dominguez, owner has repaired levee slope and compacted material per CVFPB's requirement (compaction tests have been performed). Need to confirm compaction tests were provided to DWR Inspector-Herman Phillips. (DWR UCIP - omagana)6/14/2016 Levee disturbed without prior authorization, it appears that the pipe owner did not notify CVFPB of the construction activity. Crossing was added to UCIP database. Spoke to Herman Phillips (DWR Levee Inspector) regarding unauthorized pipe installation along LS toe of U2. The LS toe of U2 (approximately 731 feet) was disturbed. DWR Inspector mentioned that Dario Dominguez with Madera County Flood Control, LMA representative, has sent the pipe owner notification of unauthorized excavation to replace existing pipe along U2 LS toe, dated May 5, 2016. After reviewing the timed aerial photographs (aerials) under Google Earth a new discovery was made regarding the extend of the area disturbed. Based on the aerials it appears that the new pipe system goes through U1 and U2 levees, across Ash Slough, and along LS toe of U2. The pipe through the levees and channel appears to tie into the work currently being done on the LS toe of U2. Both U1 and U2 levees appear to have been disturbed during 2014-2015. The aerials show that the crossing was not present in the aerial dated 4/5/2014, crossing was not present during the 2014 UCIP Inspection dated 5/6/2014, and the crossing was present in the aerial dated 3/18/2015. According to DWR Inspector, Dario Dominguez with Madera County Flood Control was notified of the additional unauthorized encroachment issue (unauthorized work completed in 2014-2015 on both levees and the channel) that could be related to the trench work being completed by Mr. Sterling. (DWR UCIP - omagana)

FIELD_STRUCT_DESC: *ILLEGAL ENCROACHMENT* 10-inch to 12-inch irrigation pipe of unknown material through the levee, at an unknown depth below the crown. Pipe goes through both levees and across channel. The pipe starts on landside (LS) toe of Unit 1 (U1) and continues across channel and through Unit 2 (U2), the pipe then runs along the landside toe of U2 for approximately 731 feet. The pipe along LS toe of U2 starts at 37.059237, -120.406025 and ends at 37.058462, -120.40791.

FS Date: 7/14/2016

Photo 2 of 2 : UCIP_FA_2016_49978_75227.jpg



View of cut on LS slope of U2 at LM 1.49 (most downstream end of the open trench, photo 1 of 2).

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
N/A : Not Applicable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ash Slough	Left	2.04	10/05/2016 10/05/2016	Herman Phillips

LM Start	1.64	Rating **	U	Issue No.	6
LM End	2.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.059777 °	37.063896 °
				-120.405663 °	-120.401230 °
DWR ID	DWR_NA0011_02_f_2016_6				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the dead weed growth from the landside levee slope.					

Photo 1 of 1 : FA_2016_NA0011_143_6_20161011_00034.jpg



Unit 2 looking upstream from levee mile 1.64 Crown roadway.

LM Start	2.02	Rating **	M	Issue No.	51
LM End	2.02	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.063982 °	37.063982 °
				-120.401165 °	-120.401165 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39925					
DS_ID:25045					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner to determine additional information about crossing and potential appurtenances.					
FIELD_STRUCT_DESC: 36-inch filled with concrete.					
FS Date: 5/6/2014					

Photo 1 of 2 : UCIP_FA_2016_39925_71815.jpg



Standpipes visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ash Slough	Left	2.04	10/05/2016 10/05/2016	Herman Phillips

LM Start	2.02	Rating **	M	Issue No.	51 (cont)	
LM End	2.02	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			37.063982 °		37.063982 °
				-120.401165 °		-120.401165 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:39925 DS_ID:25045 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine additional information about crossing and potential appurtenances. FIELD_STRUCT_DESC: 36-inch filled with concrete. FS Date: 5/6/2014						

Photo 2 of 2 : UCIP_FA_2016_39925_71820.jpg



36-inch pipe full of concrete debris located on waterward side.

LM Start	2.03	Rating **	M	Issue No.	50
LM End	2.03	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.064087 °	37.064087 °
				-120.401194 °	-120.401194 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39924 DS_ID:25044 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status. FIELD_STRUCT_DESC: 10-inch pipes located on waterward side. FS Date: 5/6/2014					

Photo 1 of 2 : UCIP_FA_2016_39924_71809.jpg



Tall concrete standpipe visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Ash Slough	Left	2.04	10/05/2016 10/05/2016	Herman Phillips

LM Start	2.03	Rating **	M	Issue No.	50 (cont)
LM End	2.03	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.064087 °	37.064087 °
				-120.401194 °	-120.401194 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39924					
DS_ID:25044					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner to determine status.					
FIELD_STRUCT_DESC: 10-inch pipes located on waterward side.					
FS Date: 5/6/2014					

Photo 2 of 2 : UCIP_FA_2016_39924_71808.jpg



Concrete standpipes visible on waterward side--dense vegetation on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Madera County FCWCA

Waterway			Bank	Unit Miles
Unit No. 03 Berenda Slough			Right	1.51
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/14/2016 - 4/14/2016		10/4/2016 - 10/4/2016	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Berenda Slough	Right	1.51	10/04/2016 10/04/2016	Herman Phillips

LM Start	0.00	Rating **	U	Issue No.	1
LM End	1.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.996562 °	36.996592 °
				-120.373748 °	-120.355160 °
DWR ID	DWR_NA0011_03_s_2013_1				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the unwanted tumble weeds and other weeds from the wateside levee slope.					

Photo 1 of 1 : FA_2016_NA0011_144_1_20161011_00015.jpg



Berenda Slough Unit 3 levee mile 0.00 looking upstream from the wateside slope.

LM Start	0.00	Rating **	M	Issue No.	46
LM End	0.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.996593 °	36.996593 °
				-120.373636 °	-120.373636 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:35767					
DS_ID:21516					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Unable to confirm if crossing is still being used. Need to contact owner to determine status of crossing.					
FIELD_STRUCT_DESC: 18-inch steel pipe through levee at unknown depth. Levee log records indicate the abandonment of the Chowchilla Canal Siphon was backfilled through the levee section. Pipe through levee slant pump on waterward slope.					
FS Date: 5/6/2014					

Photo 1 of 2 : UCIP_FA_2016_35767_64476.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Berenda Slough	Right	1.51	10/04/2016 10/04/2016	Herman Phillips

LM Start	0.00	Rating **	M	Issue No.	46 (cont)	
LM End	0.00	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			36.996593 °	36.996593 °	
				-120.373636 °	-120.373636 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:35767						
DS_ID:21516						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Unable to confirm if crossing is still being used. Need to contact owner to determine status of crossing.						
FIELD_STRUCT_DESC: 18-inch steel pipe through levee at unknown depth. Levee log records indicate the abandonment of the Chowchilla Canal Siphon was backfilled through the levee section. Pipe through levee slant pump on waterward slope.						
FS Date: 5/6/2014						

Photo 2 of 2 : UCIP_FA_2016_35767_64475.jpg



Close up of concrete standpipe and multiple positive closure devices.

LM Start	0.03	Rating **	M	Issue No.	35
LM End	0.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			36.996618 °	36.996618 °
				-120.373116 °	-120.373116 °
DWR ID	DWR_NA0011_03_f_2012_35				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
Tree drags against vehicles as they pass by. Remove overhanging tree limbs.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Berenda Slough	Right	1.51	10/04/2016 10/04/2016	Herman Phillips

LM Start	0.04	Rating **	M	Issue No.	45
LM End	0.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.996522 °	36.996522 °
				-120.372980 °	-120.372980 °
DWR ID	DWR_NA0011_03_s_2012_45				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the discarded tree branches from the landside slope.					

No Photos

LM Start	0.05	Rating **	U	Issue No.	5
LM End	1.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.996453 °	36.996607 °
				-120.372898 °	-120.346568 °
DWR ID	DWR_NA0011_03_f_2016_5				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the tall dead weed growth from the landside of the levee slope and shoulder.					

Photo 1 of 1 : FA_2016_NA0011_144_5_20161011_00021.jpg



Berenda Slough Unit 3 looking upstream from landside levee miles 0.05-1.51.

LM Start	0.05	Rating **	M	Issue No.	28
LM End	0.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.996442 °	36.996442 °
				-120.372848 °	-120.372848 °
DWR ID	DWR_NA0011_03_f_2014_28				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the dead tree from the landside slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Berenda Slough	Right	1.51	10/04/2016 10/04/2016	Herman Phillips

LM Start	0.06	Rating **	M	Issue No.	18
LM End	0.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			36.996378 °	36.996378 °
				-120.372738 °	-120.372738 °
DWR ID	DWR_NA0011_03_f_2014_18				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim the tree listed, five feet above the ground on the landside slope.					

No Photos

LM Start	0.08	Rating **	M	Issue No.	32
LM End	0.89	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			36.996264 °	36.996273 °
				-120.372350 °	-120.357666 °
DWR ID	DWR_NA0011_03_s_2014_32				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
Regrade the crown for proper drainage and add more rock to crown.					

No Photos

LM Start	0.08	Rating **	M	Issue No.	20
LM End	0.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.996204 °	36.996201 °
				-120.372352 °	-120.372345 °
DWR ID	DWR_NA0011_03_s_2012_20				
Comment Code					
DE : Debris					
Inspector Comment					
Remove the trash from the landside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Berenda Slough	Right	1.51	10/04/2016 10/04/2016	Herman Phillips

LM Start	0.10	Rating **	M	Issue No.	47
LM End	0.10	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.996177 °	36.996177 °
				-120.371967 °	-120.371967 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:38228
DS_ID:21517
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Need to contact owner to determine status of crossing. Unable to determine if crossing is in use.
FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 7.3 feet below the crown. Headwalls and wing walls on both ends. Flap gate on waterward end.
FS Date: 5/6/2014

LM Start	0.10	Rating **	M	Issue No.	47 (cont)
LM End	0.10	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_38228_69689.jpg



View of waterward side.

Photo 2 of 2 : UCIP_FA_2016_38228_69687.jpg



Debris screen visible on waterward headwall.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Berenda Slough	Right	1.51	10/04/2016 10/04/2016	Herman Phillips

LM Start	0.40	Rating **	U	Issue No.	6
LM End	1.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.996208 °	36.996607 °
				-120.366550 °	-120.346568 °
DWR ID	DWR_NA0011_03_f_2016_6				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There need to be rodent bait stations placed along the levee section landside slope and or shoulder at levee miles listed.					

Photo 1 of 2 : FA_2016_NA0011_144_6_20161011_00016.jpg



Berenda Slough Unit 3 levee miles 0.40-1.51 landside shoulder and slope.

LM Start	0.40	Rating **	U	Issue No.	6 (cont)
LM End	1.51	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2016_NA0011_144_6_20161011_00018.jpg



More active rodents holes and foot traffic seen around holes though no rodents observed.

LM Start	0.71	Rating **	M	Issue No.	7
LM End	1.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.996252 °	36.996607 °
				-120.361063 °	-120.346568 °
DWR ID	DWR_NA0011_03_f_2016_7				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
There should be bait stations placed along these levee miles listed to eradicate rodents.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Berenda Slough	Right	1.51	10/04/2016 10/04/2016	Herman Phillips

LM Start	0.71	Rating **	M	Issue No.	8
LM End	1.51	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.996257 °	36.996607 °
				-120.361025 °	-120.346568 °
DWR ID	DWR_NA0011_03_f_2016_8				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Exterminate rodents from the crown roadway in the area listed. Active rodents observed during inspection at this site.					

Photo 1 of 1 : FA_2016_NA0011_144_8_20161011_00022.jpg



Berenda Slough Unit 3 looking upstream from levee miles 0.71 - to 1.51.

LM Start	0.87	Rating **	M	Issue No.	39
LM End	0.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			36.996261 °	36.996261 °
				-120.358095 °	-120.358095 °
DWR ID	DWR_NA0011_03_s_2013_39				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim the tree limbs up off the levee slope so the ground can be seen.					

No Photos

LM Start	1.04	Rating **	U	Issue No.	44
LM End	1.51	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.996592 °	36.996583 °
				-120.355155 °	-120.346680 °
DWR ID	DWR_NA0011_03_s_2014_44				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Keep crown roadway free of vegetation.					

Photo 1 of 1 : FA_2016_NA0011_144_44_20161004_00008.jpg



Looking upstream from levee mile 1.04 to levee mile 1.52 crown roadway overgrown with tall weeds.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Berenda Slough	Right	1.51	10/04/2016 10/04/2016	Herman Phillips

LM Start	1.04	Rating **	U	Issue No.	11
LM End	1.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			36.996613 °	36.996610 °
				-120.355055 °	-120.354995 °
DWR ID	DWR_NA0011_03_s_2012_11				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
These walnut trees are blocking the view and inspection of the landside levee shoulder and slope. Cut them back in order that the ground can be seen.					

Photo 1 of 1 : FA_2016_NA0011_144_11_20161004_00003.jpg



Berenda Slough Unit 3 looking upstream from levee mile 1.04-1.05 walnut trees blocking the view of the landside levee section.

LM Start	1.07	Rating **	M	Issue No.	15
LM End	1.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			36.996618 °	36.996633 °
				-120.354538 °	-120.354012 °
DWR ID	DWR_NA0011_03_s_2012_15				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim the trees on the landside listed, 5.0 foot above the ground to view the slope.					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Madera County FCWCA

Berenda Slough Unit 3 looking upstream from levee mile 1.26 Wlnut trees on landside slope.

Page 9 of 9

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Madera County FCWCA

Waterway			Bank	Unit Miles
Unit No. 04 Berenda Slough			Left	2.28
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	4/14/2016 - 4/14/2016		10/4/2016 - 10/4/2016	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Madera County FCWCA

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Berenda Slough	Left	2.28	10/04/2016 10/04/2016	Herman Phillips

LM Start	0.06	Rating **	M	Issue No.	20
LM End	0.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.995597 °	36.995597 °
				-120.372391 °	-120.372391 °
DWR ID	DWR_NA0011_04_f_2012_20				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree limbs from the waterside levee slope.					

No Photos

LM Start	0.08	Rating **	M	Issue No.	25
LM End	0.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			36.995557 °	36.995557 °
				-120.372062 °	-120.372062 °
DWR ID	DWR_NA0011_04_s_2013_25				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
Remove the dead tree limbs hanging over the levee crown.					

LM Start	0.12	Rating **	M	Issue No.	26
LM End	0.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			36.995532 °	36.995532 °
				-120.371428 °	-120.371428 °
DWR ID	DWR_NA0011_04_s_2013_26				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					
Trim the tree branches over roadway 12 foot above ground.					

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Berenda Slough	Left	2.28	10/04/2016 10/04/2016	Herman Phillips

LM Start	0.14	Rating **	U	Issue No.	15
LM End	0.14	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.995528 °	36.995528 °
				-120.370922 °	-120.370922 °
DWR ID	DWR_NA0011_04_f_2015_15				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There are many dead trees in the area. This one happened to be blocking the crown roadway. Remove the dead trees from the levee section. Many more are subject to fall and further block access to the levee crown.					

Photo 1 of 1 : FA_2016_NA0011_145_15_20161011_00019.jpg



Berenda Slough looking upstream from the levee mile 0.14.

LM Start	0.14	Rating **	U	Issue No.	3
LM End	0.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.995543 °	36.995550 °
				-120.370907 °	-120.355935 °
DWR ID	DWR_NA0011_04_f_2016_3				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
The slope in this area has been damaged by farm equipment on the slope.					

Photo 1 of 1 : FA_2016_NA0011_145_3_20161011_00020.jpg



Berenda Slough Unit 4 Looking upstream from levee mile 0.14-0.97.

LM Start	0.28	Rating **	M	Issue No.	21
LM End	0.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.995564 °	36.995564 °
				-120.368540 °	-120.368540 °
DWR ID	DWR_NA0011_04_f_2012_21				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the discarded tree and branches from the levee slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Berenda Slough	Left	2.28	10/04/2016 10/04/2016	Herman Phillips

LM Start	0.47	Rating **	U	Issue No.	16
LM End	0.47	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.995603 °	36.995603 °
				-120.364978 °	-120.364978 °
DWR ID	DWR_NA0011_04_s_2014_16				
Comment Code					
TR : Tree or limb					
Inspector Comment					
This dead tree on water ward slope should be removed from levee section.					

Photo 1 of 1 : FA_2016_NA0011_145_16_20161011_00021.jpg



Berenda Slough Unit 4 levee mile 0.47 looking back upstream.

LM Start	0.62	Rating **	U	Issue No.	11
LM End	1.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.995568 °	36.995474 °
				-120.362303 °	-120.350890 °
DWR ID	DWR_NA0011_04_f_2016_11				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Exterminate the rodents and backfill and compact or grout the burrows in this area listed.					

Photo 1 of 3 : FA_2016_NA0011_145_11_20161011_00022.jpg



Berenda Slough landside slope levee miles 0.62-1.25 looking upstream.

LM Start	0.62	Rating **	U	Issue No.	11 (cont)
LM End	1.25	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA_2016_NA0011_145_11_20161012_00027.jpg



Berenda Slough landside slope levee miles 0.62-1.25. looking upstream.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Berenda Slough	Left	2.28	10/04/2016 10/04/2016	Herman Phillips

LM Start	0.62	Rating **	U	Issue No.	11 (cont)	
LM End	1.25	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Animal Control			36.995568 °	36.995474 °	
				-120.362303 °	-120.350890 °	
DWR ID	DWR_NA0011_04_f_2016_11					
Comment Code						
A1 : Exterminate rodents and backfill and compact or grout burrows.						
Inspector Comment						
Exterminate the rodents and backfill and compact or grout the burrows in this area listed.						

Photo 3 of 3 : FA_2016_NA0011_145_11_20161012_00028.jpg



This photo shows another view of the activity along the landside between the levee miles.

LM Start	1.50	Rating **	U	Issue No.	60
LM End	1.50	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.995597 °	36.995597 °
				-120.346418 °	-120.346418 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:49977 DS_ID:25469 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 7/14/2016 New entry added--pipe failure. Sink hole present on LS slope. Concrete headwall collapse visible on LS slope. Pipe buried on both WS and LS. (DWR UCIP - omagana) FIELD_STRUCT_DESC: Unknown size drainage pipe through the levee, approximately 5 feet below the crown. Concrete headwall located on the landside (LS). Corrugated metal pipe located on LS toe. Sluice gate is located on the waterside (WS). FS Date: 7/14/2016					

Photo 1 of 2 : UCIP_FA_2016_49977_75760.jpg



View of LS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Berenda Slough	Left	2.28	10/04/2016 10/04/2016	Herman Phillips

LM Start	1.50	Rating **	U	Issue No.	60 (cont)	
LM End	1.50	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			36.995597 °		36.995597 °
				-120.346418 °		-120.346418 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:49977						
DS_ID:25469						
EP_NO: N/A						
Repair Type: Urgent						
Crossing Status: Found						
UCIP Comments: 7/14/2016 New entry added--pipe failure. Sink hole present on LS slope. Concrete headwall collapse visible on LS slope. Pipe buried on both WS and LS. (DWR UCIP - omagana)						
FIELD_STRUCT_DESC: Unknown size drainage pipe through the levee, approximately 5 feet below the crown. Concrete headwall located on the landside (LS). Corrugated metal pipe located on LS toe. Sluice gate is located on the waterside (WS).						
FS Date: 7/14/2016						

Photo 2 of 2 : UCIP_FA_2016_49977_75761.jpg



Sink hole and concrete headwall damage is visible on LS.

LM Start	1.51	Rating **	M	Issue No.	56
LM End	2.28	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.995615 °	37.003441 °
				-120.346296 °	-121.337349 °
DWR ID	DWR_NA0011_04_s_2012_56				
Comment Code					
FE : Fence					
Inspector Comment					
No new photo was taken Fall 2014.					

Photo 1 of 1 : FA_2016_NA0011_145_56_20161004_00011.jpg



Fence within the 10-foot of levee toe. This encroachment was recorded on 11-01-2012. Photo was taken 4-24-2014.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Berenda Slough	Left	2.28	10/04/2016 10/04/2016	Herman Phillips

LM Start	1.63	Rating **	U	Issue No.	30
LM End	2.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.996503 °	37.003308 °
				-120.344465 °	-120.337550 °
DWR ID	DWR_NA0011_04_f_2014_30				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Bait stations are needed in Rodent infested area waterside slope and toe.					

Photo 1 of 1 : FA_2016_NA0011_145_30_20161012_00031.jpg



Berenda Slough levee mile 1.63-2.23 looking upstream at waterside slope.

LM Start	1.63	Rating **	U	Issue No.	57
LM End	2.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.996574 °	37.003328 °
				-120.344430 °	-120.337604 °
DWR ID	DWR_NA0011_04_s_2012_57				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
The District really needs to do a better job of controlling the rodents. There should be bait stations with rodent bait in place. (2013).					

Photo 1 of 3 : FA_2016_NA0011_145_57_20161011_00023.jpg



Berenda Slough looking upstream landside slope.

LM Start	1.63	Rating **	U	Issue No.	57 (cont)
LM End	2.23	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA_2016_NA0011_145_57_20161011_00026.jpg



More activity

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Berenda Slough	Left	2.28	10/04/2016 10/04/2016	Herman Phillips

LM Start	1.63	Rating **	U	Issue No.	57 (cont)	
LM End	2.23	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			36.996574 °		37.003328 °
				-120.344430 °		-120.337604 °
DWR ID	DWR_NA0011_04_s_2012_57					
Comment Code						
A1 : Exterminate rodents and backfill and compact or grout burrows.						
Inspector Comment						
The District really needs to do a better job of controlling the rodents. There should be bait stations with rodent bait in place. (2013).						

Photo 3 of 3 : FA_2016_NA0011_145_57_20161011_00025.jpg



Activity on the landside slope between the levee mile 1.63 and 2.23.

LM Start	1.63	Rating **	M	Issue No.	59
LM End	1.67	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.996573 °	36.997002 °
				-120.344428 °	-120.343977 °
DWR ID	DWR_NA0011_04_s_2012_59				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Exterminate rodents in this area.					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Madera County FCWCA

Waterway			Bank	Unit Miles
Unit No. 05 Fresno River			Right	9.10
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	5/13/2016 - 5/13/2016		10/6/2016 - 10/6/2016	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By	Dario Dominguez Madera County			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Madera County FCWCA

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Fresno River	Right	9.10	10/06/2016 10/06/2016	Herman Phillips

LM Start	0.00	Rating **	M	Issue No.	15
LM End	4.05	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		36.978520 °	36.968168 °	
			-120.368567 °	-120.301035 °	
DWR ID	DWR_NA0011_05_f_2016_15				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
The rodent burrows within the levee crown roadway should be treated and backfilled. No rodents seen but there is activity in this area listed.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	18
LM End	4.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		36.978520 °	36.968157 °	
			-120.368567 °	-120.300932 °	
DWR ID	DWR_NA0011_05_f_2016_18				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Bait stations are needed along the waterside shoulder. Observed many rodent burrows but no rodent was seen.					

No Photos

LM Start	0.00	Rating **	U	Issue No.	8
LM End	4.05	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		36.978557 °	36.968152 °	
			-120.368423 °	-120.301103 °	
DWR ID	DWR_NA0011_05_f_2015_8				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
The crown roadway must be free of all vegetation.					

Photo 1 of 1 : FA_2016_NA0011_146_8_20161012_00020.jpg



Fresno River looking upstream levee mile 0.00.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
N/A : Not Applicable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Fresno River	Right	9.10	10/06/2016 10/06/2016	Herman Phillips

LM Start	0.18	Rating **	M	Issue No.	38
LM End	0.18	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.978036 °	36.978036 °
				-120.365246 °	-120.365246 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:35795 DS_ID:21520 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure. FIELD_STRUCT_DESC: 36-inch CM pipe through the levee, 10.8 feet below the crown. Headwalls and wing walls on both ends. Flap gate on waterward end. FS Date: 5/6/2014					

LM Start	0.18	Rating **	M	Issue No.	38 (cont)
LM End	0.18	Issue Type +	En	Location *	CR

Photo 1 of 2 : UCIP_FA_2016_35795_64567.jpg



View of waterward side.

Photo 2 of 2 : UCIP_FA_2016_35795_64566.jpg



View of flap gate and concrete headwall located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Fresno River	Right	9.10	10/06/2016 10/06/2016	Herman Phillips

LM Start	0.86	Rating **	M	Issue No.	13
LM End	1.13	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			36.972344 °	36.968963 °
				-120.355692 °	-120.353347 °
DWR ID	DWR_NA0011_05_s_2012_13				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					
Regrade the crown for proper drainage.					

No Photos

LM Start	1.18	Rating **	M	Issue No.	16
LM End	1.19	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			36.968354 °	36.968272 °
				-120.352761 °	-120.352623 °
DWR ID	DWR_NA0011_05_f_2012_16				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					
Add material to this location.					

No Photos

LM Start	1.28	Rating **	M	Issue No.	11
LM End	1.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			36.967858 °	36.967868 °
				-120.351064 °	-120.349417 °
DWR ID	DWR_NA0011_05_s_2012_11				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Repair the ruts in crown roadway.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Madera County FCWCA

No Photos

No Photos

No Photos

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Fresno River	Right	9.10	10/06/2016 10/06/2016	Herman Phillips

LM Start	4.06	Rating **	A	Issue No.	22
LM End	6.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		36.968172 °	36.968525 °	
			-120.300943 °	-120.255387 °	
DWR ID	DWR_NA0011_05_f_2016_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
No unwanted vegetation					

No Photos

LM Start	4.06	Rating **	A	Issue No.	25
LM End	9.06	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		36.968172 °	36.973168 °	
			-120.300943 °	-120.212247 °	
DWR ID	DWR_NA0011_05_f_2016_25				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
No unwanted vegetation.					

No Photos

LM Start	4.20	Rating **	M	Issue No.	21
LM End	4.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		36.968135 °	36.968202 °	
			-120.298355 °	-120.296210 °	
DWR ID	DWR_NA0011_05_s_2012_21				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Observed rodent burrows but no rodents seen.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Fresno River	Right	9.10	10/06/2016 10/06/2016	Herman Phillips

LM Start	4.46	Rating **	M	Issue No.	23
LM End	5.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.968230 °	36.968247 °
				-120.293665 °	-120.279957 °
DWR ID	DWR_NA0011_05_s_2012_23				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Observed many rodent burrows, no rodent was seen.					

No Photos

LM Start	6.09	Rating **	M	Issue No.	31
LM End	6.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.968178 °	36.968178 °
				-120.264122 °	-120.264122 °
DWR ID	DWR_NA0011_05_f_2015_31				
Comment Code					
PR : Prunings					
Inspector Comment					
The pruning's here need to be burned or removed from levee slope waterside.					

No Photos

LM Start	6.58	Rating **	U	Issue No.	26
LM End	7.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.968525 °	36.969527 °
				-120.255387 °	-120.238255 °
DWR ID	DWR_NA0011_05_f_2016_26				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the wild growth of Tumble weeds from the landside slope and levee toe.					

Photo 1 of 1 : FA_2016_NA0011_146_26_20161012_00024.jpg



Fresno River looking upstream oof the landside levee slope miles 6.58-7.54.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Fresno River	Right	9.10	10/06/2016 10/06/2016	Herman Phillips

LM Start	6.58	Rating **	U	Issue No.	27
LM End	9.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.968525 °	36.973197 °
				-120.255387 °	-120.212085 °
DWR ID	DWR_NA0011_05_f_2016_27				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the wild dead weeds from he levee slope and toe.					

Photo 1 of 1 : FA_2016_NA0011_146_27_20161012_00025.jpg



Fresno River looking upstream waterside levee mile 6.58-9.07.

LM Start	6.75	Rating **	U	Issue No.	28
LM End	6.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.969200 °	36.969507 °
				-120.252462 °	-120.248893 °
DWR ID	DWR_NA0011_05_f_2016_28				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Exterminate the rodents in the area listed and place bait stations along the shoulder and or slope.					

Photo 1 of 2 : FA_2016_NA0011_146_28_20161012_00021.jpg



Fresno River landside slope looking upstream of levee mile 6.75 -6.95.

LM Start	6.75	Rating **	U	Issue No.	28 (cont)
LM End	6.95	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2016_NA0011_146_28_20161012_00023.jpg



Fresno River looking upstream of the landside slope levee miles 6.76-6.95.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Fresno River	Right	9.10	10/06/2016 10/06/2016	Herman Phillips

LM Start	6.87	Rating **	M	Issue No.	40
LM End	6.87	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.969520 °	36.969520 °
				-120.250311 °	-120.250311 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39006					
DS_ID:21527					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Slide gate buried on landward side. Recommend clearing sediment deposit on landward side.					
FIELD_STRUCT_DESC: 30-inch CM pipe through levee, 9.4 feet below the crown. Headwalls and wingwalls on both ends. Slide gate on landward end. Flap gate on waterward end.					
FS Date: 5/6/2014					

LM Start	6.87	Rating **	M	Issue No.	40 (cont)
LM End	6.87	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_39006_69715.jpg



View of waterward side.

Photo 2 of 2 : UCIP_FA_2016_39006_69714.jpg



Concrete headwall covered by dense vegetation.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Fresno River	Right	9.10	10/06/2016 10/06/2016	Herman Phillips

LM Start	7.06	Rating **	M	Issue No.	29
LM End	7.57	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.969517 °	36.969528 °
				-120.246928 °	-120.237790 °
DWR ID	DWR_NA0011_05_f_2016_29				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
The crown roadway should be keep clear of vegetation.					

No Photos

LM Start	7.57	Rating **	A	Issue No.	32
LM End	9.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.969528 °	36.973168 °
				-120.237790 °	-120.212247 °
DWR ID	DWR_NA0011_05_f_2016_32				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
No unwanted vegetation.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Fresno River	Right	9.10	10/06/2016 10/06/2016	Herman Phillips

LM Start	8.09	Rating **	M	Issue No.	39
LM End	8.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.972415 °	36.972415 °
				-120.229285 °	-120.229285 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:38235 DS_ID:21528 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 30-inch CM pipe through levee, 8.3 feet below the levee crown. Headwalls and wingwalls on both ends. Flap gate on waterward end. FS Date: 5/6/2014					

Photo 1 of 2 : UCIP_FA_2016_38235_69719.jpg



View of waterward side.

LM Start	8.09	Rating **	M	Issue No.	39 (cont)
LM End	8.09	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_38235_69721.jpg



Concrete headwall visible on waterward side and covered by dense vegetation.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Fresno River	Right	9.10	10/06/2016 10/06/2016	Herman Phillips

LM Start	8.11	Rating **	M	Issue No.	37
LM End	8.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.972391 °	36.972399 °
				-120.228857 °	-120.227424 °
DWR ID	DWR_NA0011_05_s_2013_37				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Observed rodent burrows but no rodents present during the inspection.					

No Photos

LM Start	8.36	Rating **	U	Issue No.	35
LM End	8.41	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.972937 °	36.972947 °
				-120.224457 °	-120.223607 °
DWR ID	DWR_NA0011_05_f_2015_35				
Comment Code					
PR : Prunings					
Inspector Comment					
Burn the brush pile off the levee section, this is creating an area for rodents to bore in the levee underneath.					

Photo 1 of 1 : FA_2016_NA0011_146_35_20161004_00006.jpg



Looking upstream at hugh pile of almond tree cuttings covering the landside shoulder,slope and toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Madera County FCWCA

Waterway			Bank	Unit Miles
Unit No. 06 Fresno River			Left	9.03
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	5/13/2016 - 5/13/2016		10/6/2016 - 10/6/2016	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By	Dario Dominguez			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 Fresno River	Left	9.03	10/06/2016 10/06/2016	Herman Phillips

LM Start	0.00	Rating **	U	Issue No.	23
LM End	2.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.976923 °	36.967223 °
				-120.367500 °	-120.328288 °
DWR ID	DWR_NA0011_06_f_2016_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove the wild weed growth from the landward slope..					

Photo 1 of 1 : FA_2016_NA0011_147_23_20161012_00028.jpg



Fresno River looking upstream from the landside slope levee mile 0.00-2.48.

LM Start	0.00	Rating **	U	Issue No.	22
LM End	5.88	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.976923 °	36.967508 °
				-120.367500 °	-120.266710 °
DWR ID	DWR_NA0011_06_f_2016_22				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Remove the weed growth from the crown roadway.					

Photo 1 of 1 : FA_2016_NA0011_147_22_20161012_00029.jpg



Fresno River looking downstream crown roadway levee mile 3.47.

LM Start	0.01	Rating **	M	Issue No.	19
LM End	6.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.976937 °	36.967843 °
				-120.367308 °	-120.257605 °
DWR ID	DWR_NA0011_06_f_2016_19				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Exterminate rodents and backfill burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

Madera County FCWCA

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 Fresno River	Left	9.03	10/06/2016 10/06/2016	Herman Phillips

LM Start	0.50	Rating **	U	Issue No.	46
LM End	0.50	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.974363 °	36.974363 °
				-120.359492 °	-120.359492 °
DWR ID	DWR_NA0011_06_f_2014_46				
Comment Code					
DE : Debris					
Inspector Comment					
Abandon boat dumped on waterside berm.					

Photo 1 of 1 : FA_2016_NA0011_147_46_20161004_00008.jpg



Waterside levee mile 0.51 abandoned boat. Busted tv and other trash dumped on the dry channel.

LM Start	1.08	Rating **	M	Issue No.	1
LM End	1.13	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.967781 °	36.967407 °
				-120.353321 °	-120.352670 °
DWR ID	DWR_NA0011_06_s_2012_1				
Comment Code					
DE : Debris					
Inspector Comment					
Large piles of broken up recycled sheet rock placed within 10-foot of the levee easement.					

Photo 1 of 1 : FA_2016_NA0011_147_1_20161004_00001.jpg



Recycle sheet rock piles within the landside easement.

LM Start	1.12	Rating **	M	Issue No.	41
LM End	1.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			36.967494 °	36.967207 °
				-120.352670 °	-120.351590 °
DWR ID	DWR_NA0011_06_s_2013_41				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Repair the slope damaged by farm equipment.					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Madera County FCWCA

Fresno River landside levee mile 1.16.

No Photos

Huge Rodent hole in crown roadway and many other holes at this location on the slope and toe.

Page 4 of 14

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 Fresno River	Left	9.03	10/06/2016 10/06/2016	Herman Phillips

LM Start	4.92	Rating **	M	Issue No.	28
LM End	6.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.967501 °	36.967893 °
				-120.284141 °	-120.256169 °
DWR ID	DWR_NA0011_06_f_2012_28				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the weeds on the landside slope.					

No Photos

LM Start	5.48	Rating **	U	Issue No.	21
LM End	5.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.967458 °	36.967458 °
				-120.273960 °	-120.269798 °
DWR ID	DWR_NA0011_06_f_2016_21				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the wild growth of weeds from the landside slope.					

Photo 1 of 1 : FA_2016_NA0011_147_21_20161012_00032.jpg



Fresno River looking upstream from the landside slope levee mile 5.71.

LM Start	5.94	Rating **	M	Issue No.	8
LM End	6.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			36.967530 °	36.967545 °
				-120.265732 °	-120.262320 °
DWR ID	DWR_NA0011_06_s_2012_8				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
No rodents visible, nut noted several burrows in this area.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 Fresno River	Left	9.03	10/06/2016 10/06/2016	Herman Phillips

LM Start	6.17	Rating **	M	Issue No.	52
LM End	6.17	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.967568 °	36.967568 °
				-120.261594 °	-120.261594 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39008					
DS_ID:21531					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner. Recommend removing sediment built up on landward side.					
FIELD_STRUCT_DESC: 48-inch CM pipe through levee, 11.5 feet below the crown. Slide gate on waterward shoulder. Headwalls and wingwalls on both ends. Flap gate on waterward end.					
FS Date: 5/6/2014					

Photo 1 of 2 : UCIP_FA_2016_39008_64570.jpg



View of waterward side.

LM Start	6.17	Rating **	M	Issue No.	52 (cont)
LM End	6.17	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_39008_64573.jpg



Flap gate, concrete headwall, and standpipe on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 Fresno River	Left	9.03	10/06/2016 10/06/2016	Herman Phillips

LM Start	6.51	Rating **	M	Issue No.	53
LM End	6.51	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.967941 °	36.967941 °
				-120.255467 °	-120.255467 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:49980
DS_ID:21532
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 7/14/2016 Same as previous inspection. Need to coordinate with owner. Need permit number authorizing work. (DWR UCIP - omagana)5/06/2014 Need to contact owner. Crossing on landward side appears to be modified--no headwall found on landward end. (DWR UCIP - omagana)
FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through levee, 12 feet below the crown. Slide gate inside a 5-foot corrugated metal pipe riser located on the waterside (WS) shoulder. Headwalls and wingwalls are located on the WS end. Concrete headwall is located on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 2005]
FS Date: 7/14/2016

LM Start	6.51	Rating **	M	Issue No.	53 (cont)
LM End	6.51	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_49980_69722.jpg



View of WS.

Photo 2 of 2 : UCIP_FA_2016_49980_69724.jpg



View of LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 Fresno River	Left	9.03	10/06/2016 10/06/2016	Herman Phillips

LM Start	6.96	Rating **	M	Issue No.	51
LM End	6.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.968786 °	36.968786 °
				-120.247473 °	-120.247473 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:35804 DS_ID:21587 EP_NO: 13837 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 12 inch diameter reinforced concrete pipe through levee at 7.5 feet below flood plane. The pipe line extends to a 27 inch concrete standpipe, located within the overflow area, through the levee section to a 30 inch diameter standpipe located on landward side. Positive closure device located on the waterward side. Walkway extends to positive closure device. (Permit No. 13837, Averill Ranch-1984) FS Date: 5/6/2014					

LM Start	6.96	Rating **	M	Issue No.	51 (cont)
LM End	6.96	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_35804_64585.jpg



View of waterward side.

Photo 2 of 2 : UCIP_FA_2016_35804_64588.jpg



View of concrete standpipe and lid found on waterward shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 Fresno River	Left	9.03	10/06/2016 10/06/2016	Herman Phillips

LM Start	7.42	Rating **	M	Issue No.	49
LM End	7.42	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.968853 °	36.968853 °
				-120.239154 °	-120.239154 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:35805
DS_ID:21588
EP_NO: 13856
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Need to contact owner. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.
FIELD_STRUCT_DESC: 12 inch diameter gravity reinforced concrete irrigation pipe through levee approximately 4 feet below crown. The pipeline extend from a 24 inch diameter standpipe, located within the overflow area, through the levee section to a 36 inch diameter standpipe located on landward side. Positive closure device located on waterward side of the levee with an accessible walkway. (Permit No. 13856, Averill Ranch-1984)
FS Date: 5/6/2014

LM Start	7.42	Rating **	M	Issue No.	49 (cont)
LM End	7.42	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_35805_64590.jpg



View of waterward side.

Photo 2 of 2 : UCIP_FA_2016_35805_64589.jpg



Inside view of standpipe located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Madera County FCWCA

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 Fresno River	Left	9.03	10/06/2016 10/06/2016	Herman Phillips

LM Start	8.03	Rating **	U	Issue No.	36 (cont)	
LM End	8.03	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			36.971582 °		36.971582 °
				-120.229180 °		-120.229180 °
DWR ID	DWR_NA0011_06_f_2015_36					
Comment Code						
TR : Tree or limb						
Inspector Comment						
The dead tree has been removed from blocking the roadway but still need to be removed from the levee section.						

Photo 2 of 2 : FA_2016_NA0011_147_36_20161012_00034.jpg



Fresno River levee mile 8.03 waterside slope and shoulder.

LM Start	8.09	Rating **	U	Issue No.	31
LM End	8.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.971692 °	36.971692 °
				-120.227957 °	-120.227957 °
DWR ID	DWR_NA0011_06_f_2015_31				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the dead tree off the slope and shoulder, this has been reported in the last two inspections.					

Photo 1 of 1 : FA_2016_NA0011_147_31_20161012_00033.jpg



Fresno River levee mile 8.09.

LM Start	8.51	Rating **	A	Issue No.	14
LM End	9.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			36.971537 °	36.972662 °
				-120.220693 °	-120.211712 °
DWR ID	DWR_NA0011_06_f_2016_14				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
No unwanted vegetation present on the landside slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 Fresno River	Left	9.03	10/06/2016 10/06/2016	Herman Phillips

LM Start	8.53	Rating **	M	Issue No.	50
LM End	8.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.971462 °	36.971462 °
				-120.220276 °	-120.220276 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:35806 DS_ID:21534 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner. Rip rap has been added around concrete headwall on waterward side--need to determine details for rip rap around structure. FIELD_STRUCT_DESC: 30-inch CM pipe through levee, 11.0 feet below crown. Headwalls and wingwalls on both ends. Flap gate on waterward end. FS Date: 5/6/2014					

LM Start	8.53	Rating **	M	Issue No.	50 (cont)
LM End	8.53	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_35806_64596.jpg



View of waterward side.

Photo 2 of 2 : UCIP_FA_2016_35806_64599.jpg



Rip rap around concrete headwall located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 Fresno River	Left	9.03	10/06/2016 10/06/2016	Herman Phillips

LM Start	8.92	Rating **	C	Issue No.	43
LM End	8.96	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			36.972195 °	36.972347 °
				-120.213435 °	-120.212822 °
DWR ID	DWR_NA0011_06_s_2013_43				
Comment Code					
PR : Prunings					
Inspector Comment					
These tree pruning's should not block the roadway.					

No Photos

LM Start	8.94	Rating **	U	Issue No.	54
LM End	8.94	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.972307 °	36.972307 °
				-120.213185 °	-120.213185 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:49981					
DS_ID:21530					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: 7/14/2016 Surface erosion still present on LS shoulder. Unable to determine if surface erosion is due to internal pipe failure. Unable to locate concrete headwall on WS toe. Need to coordinate with owner to address erosion or potential pipe failure. Also recommend removing dense vegetation on WS. (DWR UCIP - omagana)5/06/2014 Need to contact owner. Surface erosion on landward slope unable to determine if pipe failed or if rodent activity burrow hole has caused collapse on slope. Need to determine cause for erosion. (DWR UCIP - omagana)					
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through levee, 10.2 feet below crown. Headwalls and wingwalls are located on both waterside (WS) and landside (LS) ends. Flap gate is located on the WS end.					
FS Date: 7/14/2016					

Photo 1 of 2 : UCIP_FA_2016_49981_64605.jpg



View of WS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Madera County FCWCA

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 Fresno River	Left	9.03	10/06/2016 10/06/2016	Herman Phillips

LM Start	8.94	Rating **	U	Issue No.	54 (cont)
LM End	8.94	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			36.972307 °	36.972307 °
				-120.213185 °	-120.213185 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:49981 DS_ID:21530 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 7/14/2016 Surface erosion still present on LS shoulder. Unable to determine if surface erosion is due to internal pipe failure. Unable to locate concrete headwall on WS toe. Need to coordinate with owner to address erosion or potential pipe failure. Also recommend removing dense vegetation on WS. (DWR UCIP - omagana)5/06/2014 Need to contact owner. Surface erosion on landward slope unable to determine if pipe failed or if rodent activity burrow hole has caused collapse on slope. Need to determine cause for erosion. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through levee, 10.2 feet below crown. Headwalls and wingwalls are located on both waterside (WS) and landside (LS) ends. Flap gate is located on the WS end. FS Date: 7/14/2016					

Photo 2 of 2 : UCIP_FA_2016_49981_64604.jpg



Flap gate visible on WS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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